

**Report of  
Endangered, Threatened, and Special Concern  
Plants, Animals, and Natural Communities  
for Letcher County, Kentucky**

**Kentucky State Nature Preserves  
Commission  
801 Schenkel Lane  
Frankfort, KY 40601  
(502) 573-2886 (phone)  
(502) 573-2355 (fax)**

**[www.naturepreserves.ky.gov](http://www.naturepreserves.ky.gov)**

# Kentucky State Nature Preserves Commission

## Key for County List Report

Within a county, elements are arranged first by taxonomic complexity (plants first, natural communities last), and second by scientific name. A key to status, ranks, and count data fields follows.

### STATUS

KSNPC: Kentucky State Nature Preserves Commission status:

N or blank = none    E = endangered    T = threatened    S = special concern    H = historic    X = extirpated

USESA: U.S. Fish and Wildlife Service status:

blank = none    C = candidate    LT = listed as threatened    LE = listed as endangered

SOMC = Species of Management Concern

### RANKS

GRANK: Estimate of element abundance on a global scale:

G1 = Critically imperiled

GU = Unrankable

G2 = Imperiled

G#? = Inexact rank (e.g. G2?)

G3 = Vulnerable

G#Q = Questionable taxonomy

G4 = Apparently secure

G#T# = Intraspecific taxa (Subspecies and variety abundances are coded with a 'T' suffix; the 'G' portion of the rank then refers to the entire species)

G5 = Secure

GH = Historic, possibly extinct

GNR = Unranked

GX = Presumed extinct

GNA = Not applicable

SRANK: Estimate of element abundance in Kentucky:

S1 = Critically imperiled

SU = Unrankable

Migratory species may have separate ranks for different population segments (e.g. S1B, S2N, S4M):

S2 = Imperiled

S#? = Inexact rank (e.g. G2?)

S3 = Vulnerable

S#Q = Questionable taxonomy

S#B = Rank of breeding population

S4 = Apparently secure

S#T# = Intraspecific taxa

S#N = Rank of non-breeding population

S5 = Secure

SNR = Unranked

S#M = Rank of transient population

SH = Historic, possibly extirpated

SNA = Not applicable

SX = Presumed extirpated

### COUNT DATA FIELDS

# OF OCCURRENCES: Number of occurrences of a particular element from a county. Column headings are as follows:

E - currently reported from the county

H - reported from the county but not seen for at least 20 years

F - reported from county & cannot be relocated but for which further inventory is needed

X - known to have extirpated from the county

U - reported from a county but cannot be mapped to a quadrangle or exact location.

The data from which the county report is generated is continually updated. The date on which the report was created is in the report footer. Contact KSNPC for a current copy of the report.

Please note that the quantity and quality of data collected by the Kentucky Natural Heritage Program are dependent on the research and observations of many individuals and organizations. In most cases, this information is not the result of comprehensive or site-specific field surveys; many natural areas in Kentucky have never been thoroughly surveyed, and new species of plants and animals are still being discovered. For these reasons, the Kentucky Natural Heritage Program cannot provide a definitive statement on the presence, absence, or condition of biological elements in any part of Kentucky. Heritage reports summarize the existing information known to the Kentucky Natural Heritage Program at the time of the request regarding the biological elements or locations in question. They should never be regarded as final statements on the elements or areas being considered, nor should they be substituted for on-site surveys required for environmental assessments.

KSNPC appreciates the submission of any endangered species data for Kentucky from field observations. For information on data reporting or other data services provided by KSNPC, please contact the Data Manager at:

Kentucky State Nature Preserves Commission  
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Frankfort, KY 40601  
(502) 573-2886 (phone)  
(502) 573-2355 (fax)  
email: [naturepreserves@ky.gov](mailto:naturepreserves@ky.gov)  
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						E	H	F	X	U
Letcher	Mosses	<i>Anomodon rugelii</i>		T /	G5 / S2?	2	0	0	0	0
Letcher	Mosses	<i>Brachythecium populeum</i>	Matted Feather Moss	E /	G5 / S1?	1	0	0	0	0
Letcher	Mosses	<i>Cirriphyllum piliferum</i>		T /	G5 / S2?	2	0	0	0	0
Letcher	Mosses	<i>Dicranodontium asperulum</i>		E /	G4G5 / S1?	1	0	0	0	0
Letcher	Mosses	<i>Entodon brevisetus</i>		E /	G4? / S1?	1	0	0	0	0
Letcher	Mosses	<i>Neckera pennata</i>		T /	G5 / S2?	4	0	0	0	0
Letcher	Mosses	<i>Oncophorus rauii</i>		E /	G3 / S1?	1	0	0	0	0
Letcher	Mosses	<i>Polytrichum pallidisetum</i>	A Hair Cap Moss	T /	G4 / S2?	1	0	0	0	0
Letcher	Mosses	<i>Polytrichum strictum</i>		E /	G4 / S1?	1	0	0	0	0
Letcher	Mosses	<i>Sphagnum quinquefarium</i>	A Sphagnum Moss	E /	G5 / S1?	1	0	0	0	0
Letcher	Vascular Plants	<i>Adlumia fungosa</i>	Allegheny-vine	E /	G4 / S1	0	2	0	0	0
Letcher	Vascular Plants	<i>Angelica triquinata</i>	Filmy Angelica	E /	G4 / S1S2	2	0	0	0	0
Letcher	Vascular Plants	<i>Baptisia tinctoria</i>	Yellow Wild Indigo	T /	G5 / S1S2	6	0	0	0	0
Letcher	Vascular Plants	<i>Botrychium matricariifolium</i>	Matricary Grape-fern	E /	G5 / S1	2	0	0	0	0
Letcher	Vascular Plants	<i>Boykinia aconitifolia</i>	Brook Saxifrage	T /	G4 / S2	1	0	0	0	0
Letcher	Vascular Plants	<i>Carex aestivalis</i>	Summer Sedge	E /	G4 / S1	0	1	0	0	0
Letcher	Vascular Plants	<i>Carex appalachica</i>	Appalachian Sedge	T /	G4 / S2?	1	0	0	0	0
Letcher	Vascular Plants	<i>Castanea pumila</i>	Allegheny Chinkapin	T /	G5 / S2	1	1	0	0	0
Letcher	Vascular Plants	<i>Circaea alpina</i>	Small Enchanter's Nightshade	S /	G5 / S3	0	2	0	0	0
Letcher	Vascular Plants	<i>Corydalis sempervirens</i>	Rock Harlequin	S /	G4G5 / S3?	3	0	0	0	0
Letcher	Vascular Plants	<i>Cymophyllum fraserianus</i>	Fraser's Sedge	E /	G4 / S1	6	1	0	0	0
Letcher	Vascular Plants	<i>Cypripedium parviflorum</i>	Small Yellow Lady's-slipper	T /	G5 / S2	1	0	0	0	0
Letcher	Vascular Plants	<i>Eupatorium steelei</i>	Steele's Joe-pye-weed	T /	G4 / S2	3	0	0	0	0
Letcher	Vascular Plants	<i>Gentiana decora</i>	Showy Gentian	S /	G4? / S3	4	3	0	0	0
Letcher	Vascular Plants	<i>Hexastylis contracta</i>	Southern Heartleaf	E / SOMC	G3 / S1	0	1	0	0	0
Letcher	Vascular Plants	<i>Houstonia serpyllifolia</i>	Michaux's Bluets	E /	G4? / S1	1	0	0	0	0
Letcher	Vascular Plants	<i>Hydrophyllum virginianum</i>	Eastern Waterleaf	T /	G5 / S2?	2	0	0	0	0
Letcher	Vascular Plants	<i>Juglans cinerea</i>	White Walnut	S / SOMC	G4 / S3	2	0	0	0	0
Letcher	Vascular Plants	<i>Leucothoe recurva</i>	Red-twigg Doghobble	E /	G4G5 / S1	1	0	0	0	0

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Letcher	Vascular Plants	<i>Lilium superbum</i>	Turk's Cap Lily	T /	G5 / S1S2	1	1	0	0	0
Letcher	Vascular Plants	<i>Listera smallii</i>	Kidney-leaf Twayblade	T /	G4 / S2	4	1	0	0	0
Letcher	Vascular Plants	<i>Monotropsis odorata</i>	Sweet Pinesap	T / SOMC	G3 / S2	0	2	0	0	0
Letcher	Vascular Plants	<i>Oenothera oakesiana</i>	Evening Primrose	H /	G4G5Q / SH	0	1	0	0	0
Letcher	Vascular Plants	<i>Oenothera perennis</i>	Small Sundrops	E /	G5 / S1S2	0	1	0	0	0
Letcher	Vascular Plants	<i>Orontium aquaticum</i>	Golden Club	T /	G5 / S2	1	0	0	0	0
Letcher	Vascular Plants	<i>Pogonia ophioglossoides</i>	Rose Pogonia	E /	G5 / S1	1	0	0	0	0
Letcher	Vascular Plants	<i>Prosartes maculata</i>	Nodding Mandarin	S /	G3G4 / S3?	1	4	0	0	0
Letcher	Vascular Plants	<i>Sanguisorba canadensis</i>	Canada Burnet	E /	G5 / S1	1	0	0	0	0
Letcher	Vascular Plants	<i>Saxifraga michauxii</i>	Michaux's Saxifrage	T /	G4G5 / S2	1	0	0	0	0
Letcher	Vascular Plants	<i>Saxifraga micranthidifolia</i>	Lettuce-leaf Saxifrage	E /	G5 / S1	1	0	0	0	0
Letcher	Vascular Plants	<i>Solidago curtisii</i>	Curtis' Goldenrod	T /	G4G5 / S2S3	2	1	0	0	0
Letcher	Vascular Plants	<i>Trillium undulatum</i>	Painted Trillium	T /	G5 / S2	2	3	0	0	0
Letcher	Terrestrial Snails	<i>Glyphyalinia rhoadsi</i>	Sculpted Glyph	T /	G5 / S1	0	1	0	0	0
Letcher	Terrestrial Snails	<i>Patera panselenus</i>	Virginia Bladetooth	S /	G2 / S1	1	0	0	0	0
Letcher	Crustaceans	<i>Cambarus buntingi</i>	Longclaw Crayfish	S /	G4 / S3	2	0	0	1	0
Letcher	Crustaceans	<i>Cambarus parvoculus</i>	Mountain Midget Crayfish	T /	G5 / S2	3	1	0	0	0
Letcher	Insects	<i>Amphiagrion saucium</i>	Eastern Red Damsel	E /	G5 / S1	1	0	0	0	0
Letcher	Insects	<i>Erora laeta</i>	Early Hairstreak	T /	GU / S1	0	1	0	0	0
Letcher	Insects	<i>Litobrantha recurvata</i>	A Burrowing Mayfly	S /	G5 / S1	1	0	0	0	0
Letcher	Insects	<i>Papaipema speciosissima</i>	Osmunda Borer Moth	E /	G4 / S1S2	1	0	0	0	0
Letcher	Insects	<i>Phyciodes batesii</i>	Tawny Crescent	H / SOMC	G4 / SH	0	1	0	0	0
Letcher	Insects	<i>Stylurus notatus</i>	Elusive Clubtail	E / SOMC	G3 / S1	0	0	0	0	1
Letcher	Insects	<i>Stylurus scudderi</i>	Zebra Clubtail	E /	G4 / S1	1	0	0	0	0
Letcher	Fishes	<i>Phoxinus cumberlandensis</i>	Blackside Dace	T / LT	G2 / S2	18	0	1	2	0
Letcher	Amphibians	<i>Cryptobranchus alleganiensis alleganiensis</i>	Eastern Hellbender	S / SOMC	G3G4T3T4 / S3	1	0	0	0	0
Letcher	Amphibians	<i>Plethodon wehrlei</i>	Wehrle's Salamander	E /	G4 / S1	2	0	0	0	0

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Letcher	Breeding Birds	<i>Accipiter striatus</i>	Sharp-shinned Hawk	S /	G5 / S3B,S4N	2	0	0	0	0
Letcher	Breeding Birds	<i>Corvus corax</i>	Common Raven	T /	G5 / S1S2	1	0	0	0	0
Letcher	Breeding Birds	<i>Pheucticus ludovicianus</i>	Rose-breasted Grosbeak	S /	G5 / S3S4B	1	0	0	0	0
Letcher	Breeding Birds	<i>Tyto alba</i>	Barn Owl	S /	G5 / S3	1	0	0	0	0
Letcher	Breeding Birds	<i>Vermivora chrysoptera</i>	Golden-winged Warbler	T / SOMC	G4 / S2B	0	1	0	0	0
Letcher	Mammals	<i>Clethrionomys gapperi maurus</i>	Kentucky Red-backed Vole	S / SOMC	G5T3T4 / S3	2	2	0	0	0
Letcher	Mammals	<i>Corynorhinus rafinesquii</i>	Rafinesque's Big-eared Bat	S / SOMC	G3G4 / S3	2	0	0	0	0
Letcher	Mammals	<i>Mustela nivalis</i>	Least Weasel	S /	G5 / S2S3	0	1	0	0	0
Letcher	Mammals	<i>Myotis leibii</i>	Eastern Small-footed Myotis	T / SOMC	G3 / S2	16	0	0	0	0
Letcher	Mammals	<i>Myotis sodalis</i>	Indiana Bat	E / LE	G2 / S1S2	15	0	0	0	0
Letcher	Mammals	<i>Sorex cinereus</i>	Cinereus Shrew	S /	G5 / S3	6	0	0	0	0
Letcher	Mammals	<i>Sorex dispar blitchi</i>	Long-tailed Shrew	E /	G4T3T4 / S1	2	1	0	0	0
Letcher	Mammals	<i>Spilogale putorius</i>	Eastern Spotted Skunk	S /	G5 / S2S3	1	0	0	0	0
Letcher	Mammals	<i>Ursus americanus</i>	American Black Bear	S /	G5 / S2	1	0	0	0	0
Letcher	Communities	<i>Appalachian acid seep</i>		/	GNR / S2	3	0	0	0	0
Letcher	Communities	<i>Appalachian mesophytic forest</i>		/	GNR / S5	1	0	0	0	0
Letcher	Communities	<i>Appalachian sub-xeric forest</i>		/	GNR / S5	1	0	0	0	0
Letcher	Communities	<i>Hemlock-mixed forest</i>		/	GNR / S5	1	0	0	0	0
<b>Letcher County Total:</b>						<b>153</b>	<b>34</b>	<b>1</b>	<b>3</b>	<b>1</b>